COMPACT disc DIGITAL AUDIO

Artistry in Sound

ONKYO®

DX-M505

Compact Disc Automatic Changer

Instruction Manual

• Congratulations on your purchase of the ONKYO DX-M505 CD Player. • Please read this manual thoroughly before making connections and turning the power on. • Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new DX-M505. • Please retain this manual for future reference.

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Features

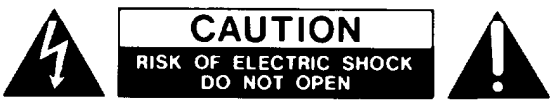
- **CD Auto Changer with 6-Disc Magazine**
  Of course, the big advantage of the 6-disc magazine changer is its ability to provide hours of uninterrupted music. It also makes it easy to record "greatest hits" tapes with songs from several discs. Or create customized magazines containing your favorite artists or styles of music.
- **Single-bit D/A Converter with AccuPulse Quartz System***
  Acclaimed by audiophiles and engineers for its high performance, the DX-M505's single-bit D/A converter eliminates zero-cross distortion, and has no major current switches that can cause glitches. It's backed by the AccuPulse Quartz System, which provides the stable, accurate clock oscillation necessary in single-bit D/A conversion.
- **Peak Search**
  A must for serious recordists, this function searches out peak levels on a CD with the touch of a button. Plus, the DX-M505 lets you repeatedly play six-second peak-level sections, making it easy to fine tune the input or volume level.
- **Next Selection**
  This high-end feature lets you choose the next song from any of the six discs in the changer-without interrupting the song that's playing.
- **Music File**
  A preferred track sequence can be programmed into memory for up to 341 CDs, eliminating the need for reprogramming each time you put in a new disc.
- **8-Times Oversampling Digital Filter**
- **40-Track Random Memory**
- **6-mode Repeat Function**
- **10-Key Direct Track Access**
- **Large, Attractive Fluorescent Display**
- **RI Compatible Remote Control included**
- **Optional Magazines Available (KC-M6, KC-M3, KC-S1)**

"WARNING"

"TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE."

CAUTION

"TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL."



- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- For models having a power cord with a polarized plug.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

- Sur les modèles dont la fiche est polarisée.

ATTENTION:

POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQ'AU FOND.

Important safeguards

1. **Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Water and Moisture** – The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool and the like.
6. **Carts and Stands** – The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING

S3125A

7. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Polarization** – If the appliace is provided with a polarized plug having one blade wider than the other, please read the following information; The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.
12. **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Playing particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning** – The appliance should be cleaned only as recommended by the manufacturer.
14. **Nonuse Periods** – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. **Object and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged or
    B. Objects have fallen, or liquid has been spilled into the appliance or
    C. The appliance has been exposed to rain or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance or
    E. The appliance has been dropped or the enclosure damaged.
17. **Servicing** – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

SPECIAL CAUTIONS FOR COMPACT DISC PLAYER

- This Compact Disc Player contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Owner's Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent exposure to the laser beam, do not try to open the enclosure.
- The laser is covered by a housing which prevents exposure during operation or maintenance. However, this product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health) which is a department of the Food and Drug Administration. According to their regulations 21 CFR section 1002.30, all manufacturers who sell Laser Products must maintain records of written communications between the manufacturer, dealers and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please feel free to write to the address on the back page of this manual. When you write to us, please include the model number and serial number of your Compact Disc Player.
- In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel.
- DANGER:
  INVISIBLE LASER RADIATION CAN OCCUR WHEN THE PLAYER IS OPEN AND THE INTERLOCK HAS FAILED OR IS DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.
- CAUTION:
  THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS, OR ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- **FCC INFORMATION FOR USER**

CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

- THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSION FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.
- L' INTERFERENCE, RADIO ELECTRIQUE GENEREE PAR CET APPAREIL NUMERIQUE DE TYPE B NE DEPASSE PAS LES LIMITES ENONCEES DANS LE REGLEMENT SUL LES PERTURBATIONS RADIO ELECTRIQUES, SECTION APPAREIL NUMERIQUE, DU MINISTERE DES COMMUNICATIONS.

Precautions

1. Warranty Card

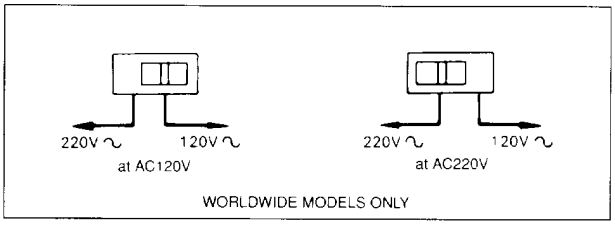
The serial number is written on the rear panel of this unit. Copy the serial number and model number onto your warranty card and keep it in a safe place.

2. Power

WARNING

BEFORE TURNING ON POWER FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

- Some models are designed for use only with the power supply voltage of the region where they are sold.
  USA & Canadian models: AC 120V, 60Hz
  Worldwide model: AC120 and 220V switchable, 50/60Hz
- **Voltage Selector (Rear Panel)**
  Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before turning the power switch on.
  Voltage is changed by sliding the groove in the switch with a screwdriver to the right or left. Confirm that the switch has been moved all the way to the right or left before turning the power switch on. Models without a voltage selector can only be used in areas where the power supply is the same as that of the unit.



WORLDWIDE MODELS ONLY

3. Do Not Touch the Player with Wet Hands

Do not handle the player or power cord when your hands are wet or damp. If water or any other liquid enters the player cabinet, take the player to an authorized service station for inspection.

4. Location of the Player

- Place the Player in a Well-Ventilated Location.
  Take special care to provide plenty of ventilation on all sides of the player especially when it is placed in an audio rack. If ventilation is blocked, the player may overheat and malfunction.
- Do not expose the player to direct sunlight or heating units as the player's internal temperature may rise and shorten the life of the pickup.
- Avoid damp and dusty places and places directly affected by vibrations from the speakers. In particular, avoid placing the unit on or above one of the speakers.
- Be sure the player is placed in a horizontal position. Never place it on its side or on a slanted surface as it may malfunction.
- Do Not Place Near Tuners and TV Sets.
  If placed next to a TV or other tuner, it may cause reception interference resulting in some noise in the TV or in the tuner output.

5. Care

From time to time you should wipe off the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe away the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these may damage the finish or remove the panel lettering.

6. Points to Remember

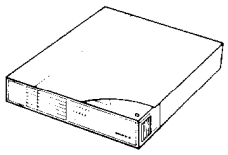
- If the player is brought from a cold environment to a warm one or is in a cold room that is quickly heated, dew may form on the pickup, preventing proper operation. In this case, remove the disc and leave the power on for about one hour to remove the dew.
- Always close the disc tray when not loading or unloading discs to protect delicate internal parts from dust.
- When transporting the player, be careful not to bump it.

Before using this unit

Products with the logo on them are mutually compatible and interchangable for the playback of 5 inch (12 cm) compact discs.

1. Supplied accessories

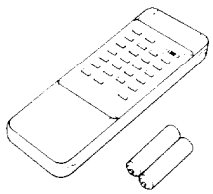
6-compact disc magazine × 1 (KC-M6)



Output signal cord × 1

Remote control cable × 1

Remote control transmitter RC-239 × 1
Battery × 2

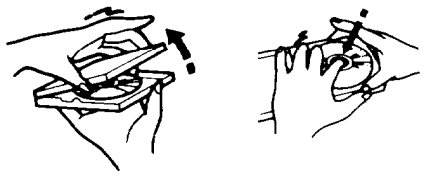


NOTE:

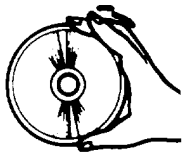
The accessory magazines all use 12cm discs.
Use the separately sold 8 cm disc magazine when playing 8 cm discs.
The separately sold magazines are shown below. Use them to enjoy your own independently created CD library.
KC-M6: Magazine for six 12-cm discs.
KC-S1: Magazine for one 12-cm disc.
KC-M3: Magazine for six 8-cm discs.

2. Handling the compact discs

How to open a disc case and remove a disc.



Always handle compact discs with care so that they are not scratched, soiled or damaged.

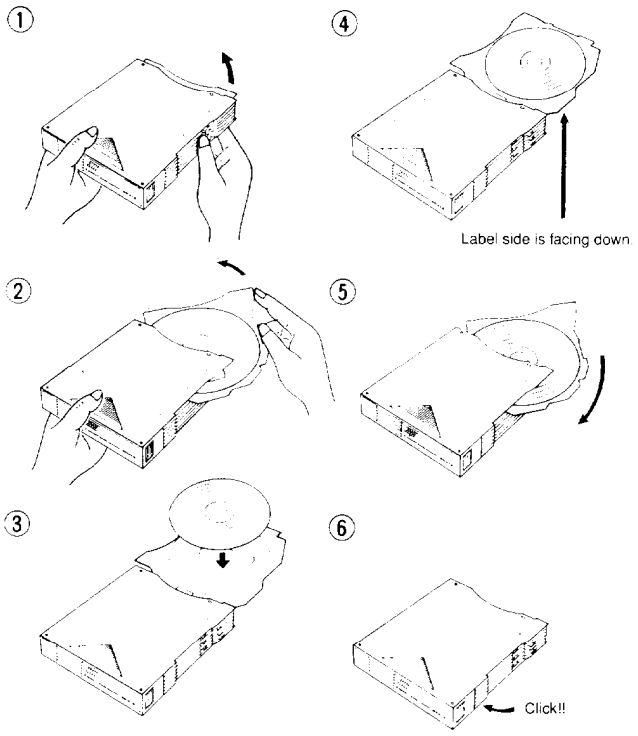


- A dry soft cloth may be used to wipe dust, fingerprints, etc. off the surface.
- Make absolutely sure that you do not use any type of volatile agent, such as thinner or benzine. Also avoid using a conventional record cleaner or anti-static agent.
- Avoid placing a disc in direct sunlight, and locations subject to extremely high humidity or low temperature.
- When a disc is going to be left unused for a long period of time, be sure not to leave it in the player. Store it in its case.

3. Inserting discs into the 6-compact disc magazine.

Insert the discs in the 6-compact disc magazine while referring to the drawings below. You can insert as many as six discs at a time.

There are numbers from 1 to 6 starting from the highest tray and going in order. Insert the trays one at a time. When inserting discs, be sure that the label side is facing down.

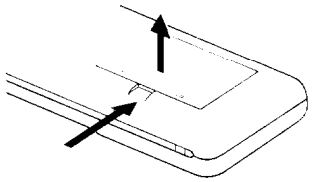


NOTE:

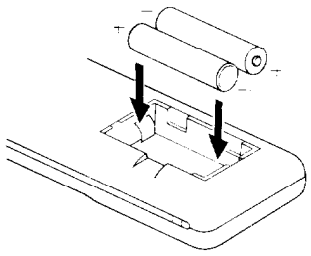
Be careful not to touch the play side of the disc (the side with no label) with your hand. Never insert anything other than discs into the magazine tray.

4. Transmitter Battery Insertion

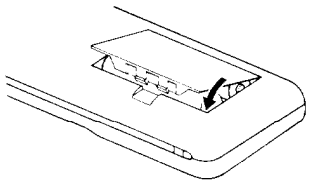
① Push the battery cover on the rear of the transmitter in the direction of the arrow and lift it up.



② Load the two batteries that came with the transmitter or two batteries of a type listed in the table. Load them with the + and – ends facing in the directions shown in the diagram.



③ Put the battery cover back in place.



Batteries

- The remote control transmitter is powered by two batteries. Before using this unit for the first time, insert the two batteries (included) as shown in the diagram.
- Average battery life is about one year. This period may be shorter depending on the frequency of use and environment (temperature and humidity) in which the remote control transmitter is used.
- If the remote control transmitter does not operate even though front panel controls function normally, the batteries should be replaced. Use only batteries listed in the following chart.

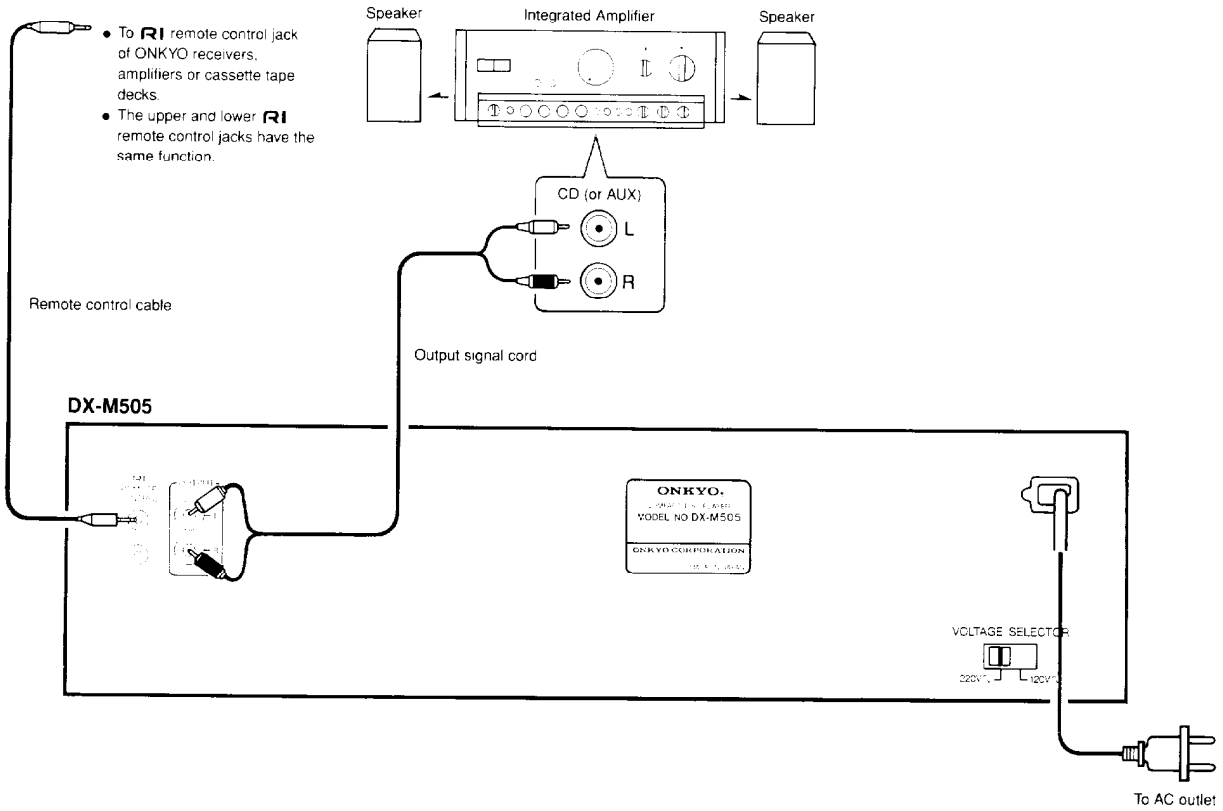
Type	Voltage	Size
Manganese	1.5V	AA R6 UM-3

NOTES:

1. Do not leave an expired battery in the case as it may leak and damage the battery case.
2. When inserting the batteries, be sure the (+) and (–) ends are properly aligned.
3. Do not use nickel-cadmium (rechargeable) batteries.
4. Do not use a specified (manganese) battery and an alkaline battery together.
5. Replace both batteries at once. Do not use one old and one new battery.

System connections

- Do not plug in the power cord until all connections have been made.



Output jacks

Connect the OUTPUT jacks of this unit to the CD or AUX input jacks of an amplifier. When making connections, be sure that the left and right channel connections are not crossed.

Remote Control jacks

The remote control jacks are used to connect ONKYO products bearing the "RI" mark via the remote control cable provided as an accessory. The cassette deck with the "RI" mark can be operated using the RC-239C remote control transmitter provided as an accessory with the DX-M505. When this unit is connected to ONKYO receivers or amplifiers bearing the "RI" mark, it can also be controlled by the remote control transmitter of that unit. (Refer to the operating instructions of your stereo receiver or amplifier for details.)

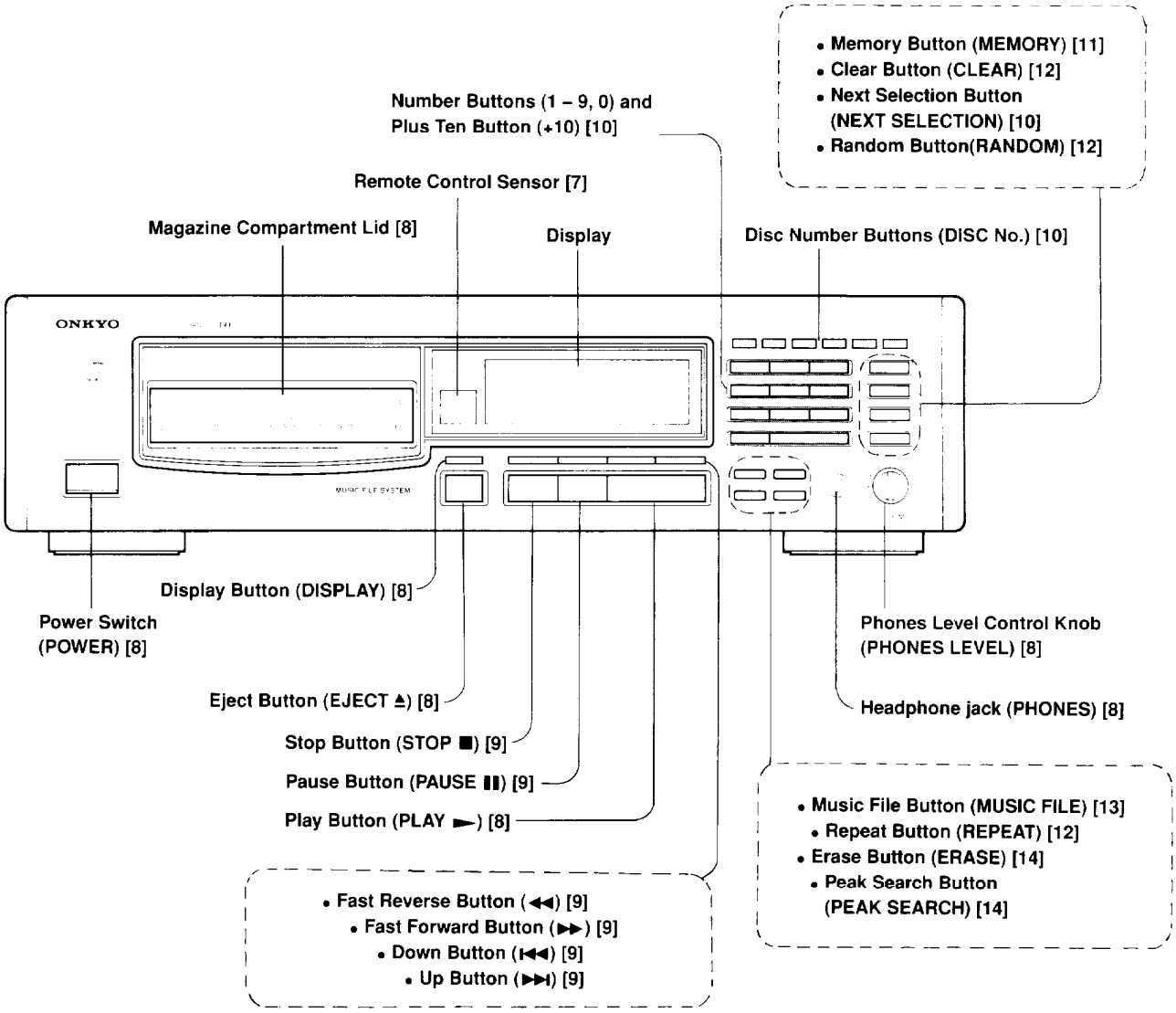
NOTE:

Do not connect the RI remote control jack to any unit that does not bear the ONKYO RI mark. Doing so may damage the unit.

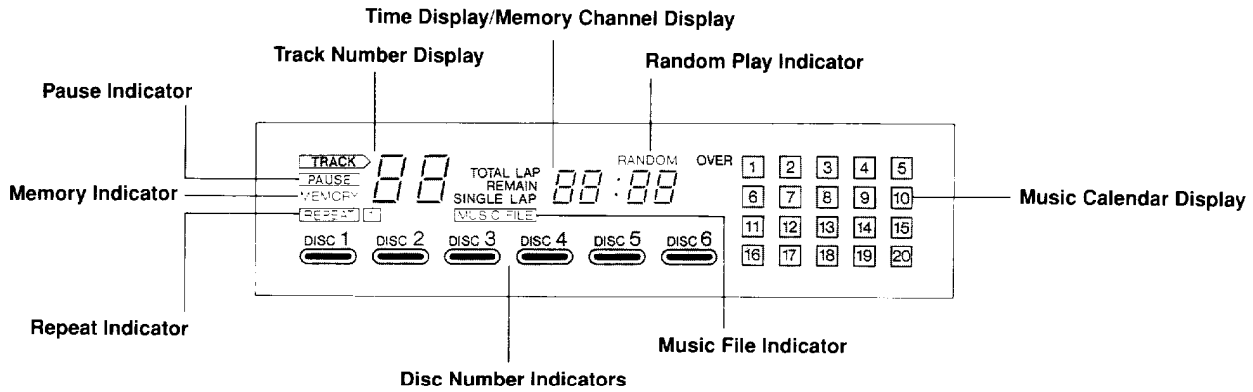
Control positions and functions

Front panel

For more information about buttons or controls, turn to the page number listed in the [ ] .

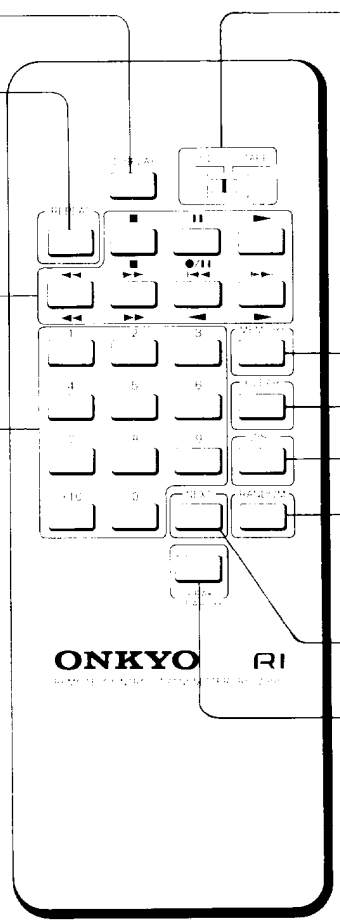

• Memory Button (MEMORY) [11]
• Clear Button (CLEAR) [12]
• Next Selection Button (NEXT SELECTION) [10]
• Random Button(RANDOM) [12]
Number Buttons (1 – 9, 0) and Plus Ten Button (+10) [10]
Remote Control Sensor [7]
Magazine Compartment Lid [8]
Display
Disc Number Buttons (DISC No.) [10]
ONKYO
Display Button (DISPLAY) [8]
Power Switch (POWER) [8]
Phones Level Control Knob (PHONES LEVEL) [8]
Eject Button (EJECT ▲) [8]
Headphone jack (PHONES) [8]
Stop Button (STOP ■) [9]
Pause Button (PAUSE ▮▮) [9]
Play Button (PLAY ►) [8]
• Music File Button (MUSIC FILE) [13]
• Repeat Button (REPEAT) [12]
• Erase Button (ERASE) [14]
• Peak Search Button (PEAK SEARCH) [14]
• Fast Reverse Button (◄◄) [9]
• Fast Forward Button (►►) [9]
• Down Button (I◄◄) [9]
• Up Button (►►I) [9]

Display



Remote control transmitter RC-239C

- Buttons not described below are operated in the same way as the buttons on the main unit.



Display Button (DISPLAY) [8]

Repeat Button (REPEAT) [14]

CD/Tape Operation Buttons

When the CD/TAPE selector switch is on CD. [8, 9, 10]

- ■ : Stop Button
- ► : Play Button
- ❚❚ : Pause Button
- ◄◄ : Fast Reverse Button
- ►► : Fast Forward Button
- ⏮ : Down Button
- ⏭ : Up Button

When the CD/TAPE selector switch is on Tape

- ■ : Stop Button
- ●/❚❚ : Rec/Pause Button
- ◄◄ : Fast Rewind Button
- ►► : Fast Forward Button
- ◄ : Reverse Play Button
- ► : Forward Play Button

Number Buttons and Plus Ten Button [9]

Used to select the disc number and track number.

CD/TAPE Selector Switch

This switch should normally be set to the CD side. When a cassette deck bearing the ONKYO "RI" mark is connected to the remote control jacks of the DX-M505 model, the deck can be controlled by this remote control transmitter. Set the CD/TAPE selector switch to TAPE. At this setting the 6 functions (from ■ to ►) listed on the left can be operated by remote control.

Memory Button (MEMORY) [11]

Clear Button (CLEAR) [12]

Disc Button (DISC) [10]

To select the disc number, press the DISC Button first, then press the appropriate Number Button (1 – 6).

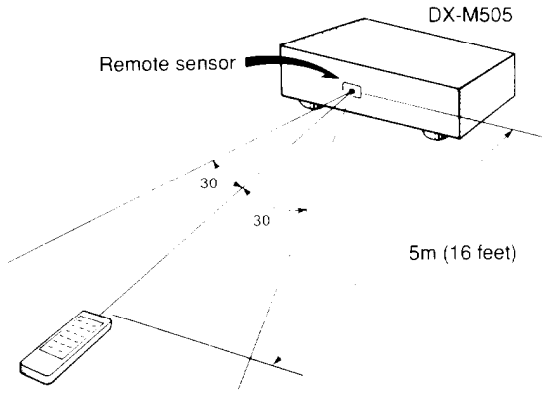
Random Button (RANDOM) [12]

Next Selection Button (NEXT) [10]

Peak Search Button (PEAK SEARCH) [14]

Using the remote control transmitter

1. Remove the batteries if the remote control transmitter is not going to be used for a long time.
2. The batteries of the remote control transmitter must be replaced periodically.
3. This unit uses infrared rays. Therefore, commands may not be received properly if the front panel of this unit is exposed to bright light. To prevent this from occurring, place this unit so that it is not directly exposed to bright light.
4. If this unit is placed inside an audio rack behind a glass door, the door should not have colored glass or have any decorations on it, since this could shorten the range or prevent commands from being received.
5. Use of other infrared remote control devices in the same room may cause interference.
6. The transmitter operates up to a distance of about five meters (16 feet). The transmitting window must always be pointed at the reception window when a command is sent to the CD player.
7. If this remote control transmitter does not operate properly, check that the batteries are not dead. If the problem persists, contact your ONKYO Service Center.

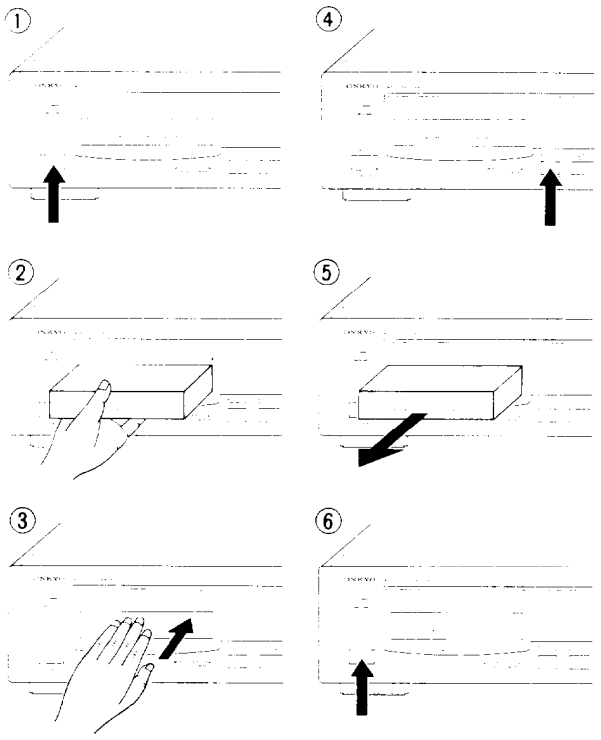


Remote control transmitter RC-239C

Operations

Inserting and removing the magazines

■ In the case of a 6-compact disc magazine:



Refer to the section on page 3 entitled "Before using this unit" for information on how to insert discs.

When inserting magazines

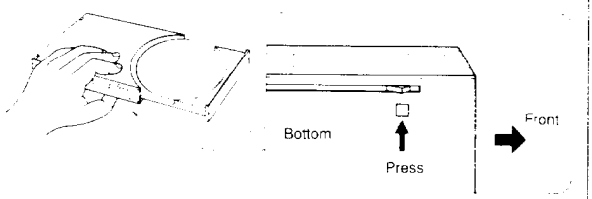
① Press the POWER switch to turn on the power.
② Insert the magazine in the magazine compartment lid.
③ Push the magazine in until there is a clicking sound.
- Stand-by is compete when the total number of tracks and total remaining time on the disc to be played (the uppermost disc of those that have been inserted) is displayed on the display.

To remove the magazine

④ Press the EJECT ≜ button. The magazine comes out slightly.
⑤ Pull out the magazine.
⑥ Press in and release the POWER switch to turn off the power.

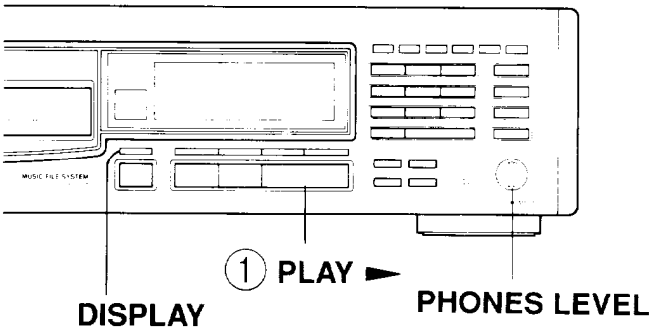
NOTE:

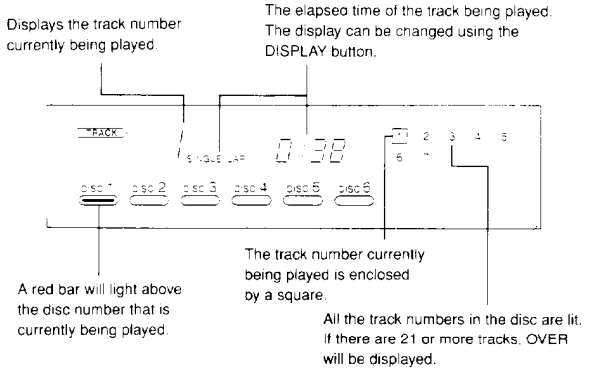
To remove a disc from an optional KC-S3 magazine, press the area on the back of the magazine shown in the figure. The disc tray will emerge. Be sure the magazine is facing upwards.



An operation description is found in the section explaining use of the 6-compact disc magazine. Follow the same procedure when using a 1-compact disc magazine. However, it is not necessary to use the DISC No. button.

To play a disc (Normal Play)




Displays the track number currently being played.
The elapsed time of the track being played. The display can be changed using the DISPLAY button.
TRACK
SINGLE LAP
0'30
1 2 3 4 5 6
disc 1 disc 2 disc 3 disc 4 disc 5 disc 6
A red bar will light above the disc number that is currently being played.
The track number currently being played is enclosed by a square.
All the track numbers in the disc are lit. If there are 21 or more tracks, OVER will be displayed.

Press in the POWER switch to turn the power on. Insert the desired discs into the magazine. Then fully insert the magazine into the compartment.

① Press the PLAY ► button.
- The disc begins playing from the first track.
- Use the amp connected to the main unit to adjust the volume.

② When the headphones are connected to the main unit, use the PHONES LEVEL knob to adjust the volume.

NOTE:

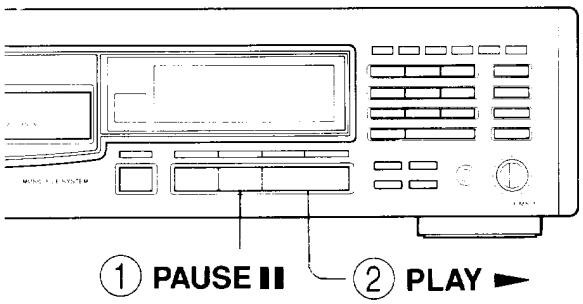
Stereo headphones with a standard stereo plug can be connected to the headphone jack (PHONES).

If you play the disc all the way to the end the unit will play the next disc from the beginning. If the 6th disc has been played all the way to the end, the track number display and the time display show "0:00" and playing stops.
Following this, the display will change to show the total number of tracks and total remaining time elapsed on the first disc.

■ **Changing the display**

Press the DISPLAY button to change the display to show the SINGLE LAP (time elapsed of the track being played), the TOTAL REMAIN (time remaining of all the tracks yet to be played) or the TOTAL LAP (time elapsed on the disc).

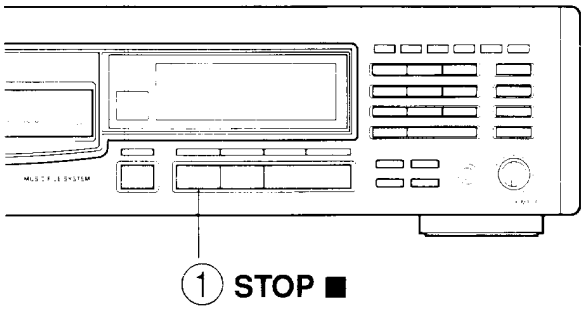
To pause during playing



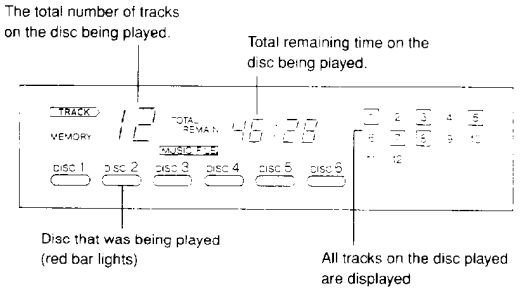
① Press the PAUSE ❚❚ button.
- The PAUSE indicator lights and playing stops temporarily.

② To resume playing, press the PLAY ► button. Playing starts up again from exactly where it left off.

To stop playing

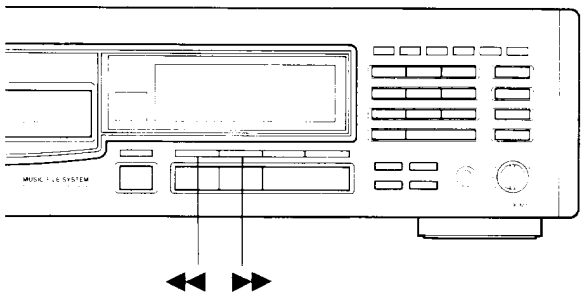


① Press the STOP ■ button.
- Playback will stop and the following display will appear.



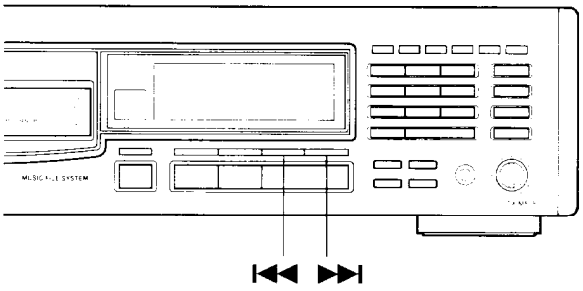
- During memory stop, the track number and the channel (P-xx) in memory will be displayed for the disc that was last stored in memory. In the music calendar, all the tracks of the last disc stored in memory will light up and those stored in memory will be enclosed by spuare.

To move forward or backward quickly during playing



Press the ►► button to fast forward.
Press the ◄◄ button to fast backward.
- The pickup continues to move rapidly forward or backward as long as you hold down the ►► button or ◄◄ button.
- If you fast forward all the way to the end of the disc, the next disc is played.
- During memory play, when the pickup is forwarded to the end of the current track by pressing the ►► button, the pickup goes to the next programmed track and normal playback begins. When the ◄◄ button is pressed, the pickup goes to the beginning of the current track and normal playback begins from this position.
- During random play, when the pickup is forwarded to the end of the current track by pressing the ►► button, the random play starts again.

To return to the beginning of the track during playing or to skip to the next track

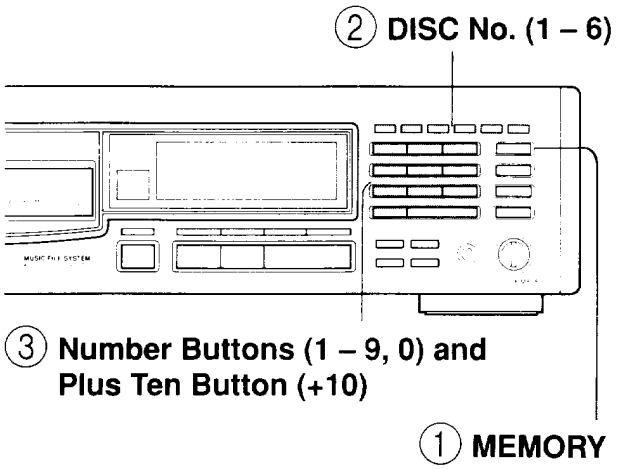


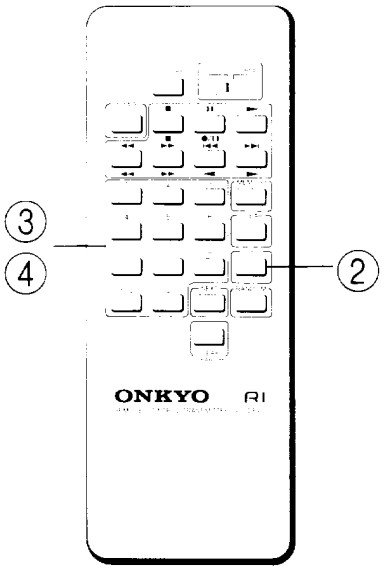
- In stop mode you can select the track number by pressing the I◄◄ or ►►I button, the SINGLE LAP time will be displayed in the Time Display.

To skip to the next track, press the ►►I button.
- The playing of the current track is interrupted and the pickup moves to the beginning of the next track. During memory play the pickup moves to the beginning of the next track in memory.
- The pickup moves ahead one track each time you press the ►►I button.
- During random play, the random play starts again .

To return to the beginning of the track during playing, press the I◄◄ button.
- Playing is interrupted and the pickup moves back to the beginning of the current track.
- If you press the I◄◄ button again before the pickup reaches the beginning of the current track, or if you press the I◄◄ button twice in a row, the pickup goes to the beginning of the previous track. During memory play the pickup goes to the beginning of the preceding track in memory.
- During random play, the pickup skips to the beginning of the current track.

To start from a specific track





① Please make sure that the MEMORY indicator is not lit.
- When the MEMORY indicator is on, press the MEMORY button to turn the indicator off.

② Select the desired disc with the DISC No. buttons (1-6).
- The red bar will light above the disc number selected.

③ Use the Number Buttons to select the desired track.
- Use +10 button to select a track with a track number of 10 or higher. For example, to select Track Number 30, press this button three times, and then press 0.
- The selected track number is displayed in the TRACK Number display. The Time display will change to SINGLE LAP time and playback will begin. Playback will continue until the final track on the sixth disc.
- This operation can be carried out during play. If the track number button was not pushed after the DISC No. button was pressed, playback will start with the first track on the selected disc.
- If the ⏮ or ⏭ button is used to select a track pressing the play ▶ button.

When operating by remote control, carry out the following steps, starting with step ②.

② Press the DISC button.
- A "d –" will flash in the track number display.

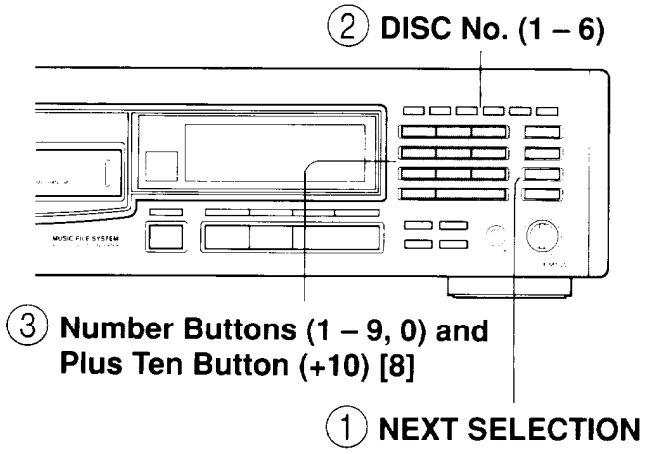
③ Select the desired disc with the Number Buttons (1-6) while "d –" is flashing.
- The red bar will light above the selected disc number.
- If you have pressed the wrong disc number, press the DISC button once again.

④ Use the Number Buttons to select the desired track.

NOTE:

It is not possible to select tracks when there is no disc in the disc tray of the magazine. Also, tracks which are not on the disc cannot be selected.

To select the next desired track during the playback



① Press the NEXT SELECTION button.
- The Disc Number indicator for the DISC (1 – 6) will flash.

② Select the desired disc with the DISC No. buttons (1 – 6).
- The Disc Number indicator of the disc which is currently being played back will be lit, and the selected Disc Number indicator will flash.

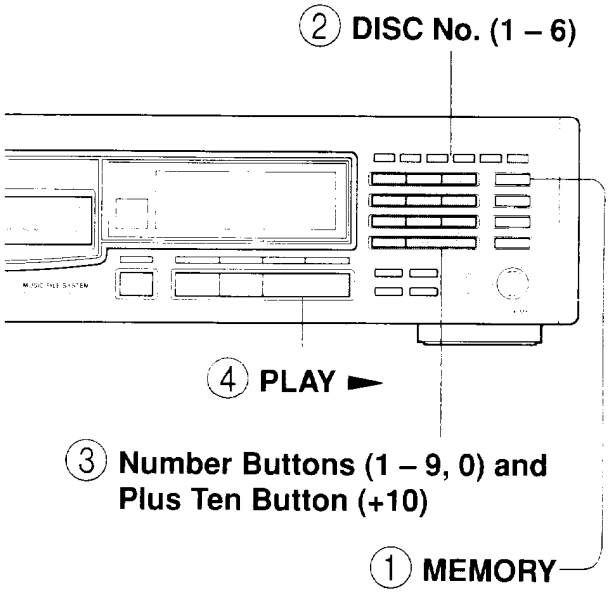
③ Use the Number Buttons or ⏮/⏭ button to select the desired track.
- The number of the selected track will be displayed in the music calender display.

■ When operating the unit using the remote control, press the NEXT button, then follow the procedure described in "To start from a specific track"

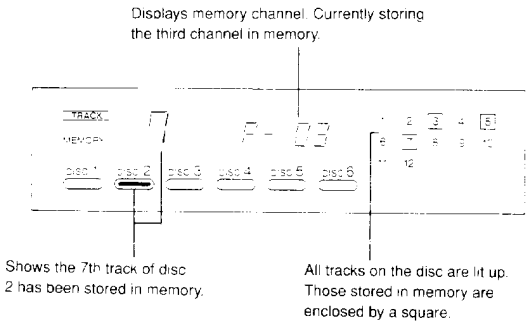
NOTES:

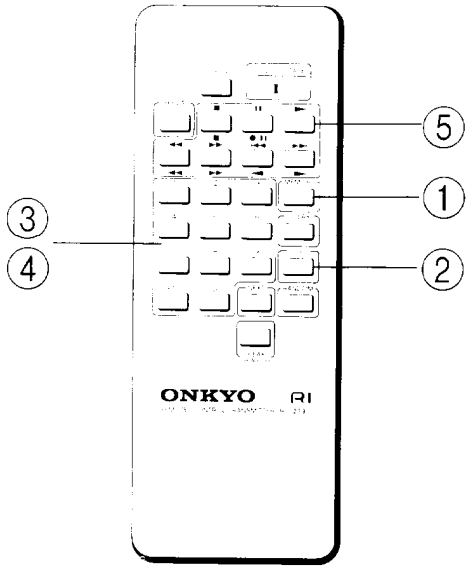
- If you select a track number but no Disc Number, the disc which is currently being played back is automatically selected. The selected track number will be played back when playback of the current track has been completed.
- If you select both Disc Number and track number, the selected track on the selected disc will be played back when playback of the current track has been completed.
- If you select a Disc Number only, the first track on the selected disc will be played back when playback of the last track on the current disc has been completed.
- The Disc Number indicator will keep flashing until playback of the current track has been completed.

To program and play the memory



Example: Tracks 3,5 and 7 of the second disc have been stored in memory.


Displays memory channel. Currently storing the third channel in memory.
TRACK
MEMORY
P- 03
disc 1
disc 2
disc 3
disc 4
disc 5
disc 6
Shows the 7th track of disc 2 has been stored in memory.
All tracks on the disc are lit up. Those stored in memory are enclosed by a square.



① Press the MEMORY button.
- The MEMORY indicator will light up and "P-00" will be displayed on the Time display.
  (If the memory button is pressed during play, the track being played is stored into memory and further tracks can be stored into memory using steps ② and ③ below.)

② Press one of the DISC No. buttons (1 – 6) to select the desired disc.
The red bar above the selected disc number indicator will light.

③ Select the track you want, using the Number Buttons. Press + 10 button to program a track with a track number of 10 or higher. For example, to select Track Number 30, press this button three times, and then press 0.
If "0" is pressed, all the tracks on that disc will be stored in memory. The display "AL" will be displayed on the TRACK Number display.
If the unit is in stop mode, you can also use the ⏮ or ⏭ buttons to select the track number, and then press the MEMORY button to store the selected track number in memory.
- To continue programming the memory, enter the number of the next track to be programmed. When you wish to continue storing other discs in memory, repeat steps ② and ③. Up to 40 tracks can be programmed in memory by repeating these steps.
- When more than 40 tracks are programmed, "FULL" will flash for a few seconds on the Time display to indicate that the memory is full.
- The number in the music calendar corresponding to the selected track will be enclosed by a square.

④ To listen to the disc in memory in the programmed order, press the PLAY ► button.
- The time display section changes to the elapsed time (SINGLE LAP) and the disc play starts.
- When playback of the last track in memory has finished the unit enters stop mode.

NOTE:

If the last disc stored in memory is being played and the total remaining time is less than 99 minutes 59 seconds, the display shows the time remaining in minutes and seconds -"MM:SS". Otherwise the display shows "– – : – –".

When storing items in memory by remote control, follow the steps shown below:

① Press the MEMORY button.

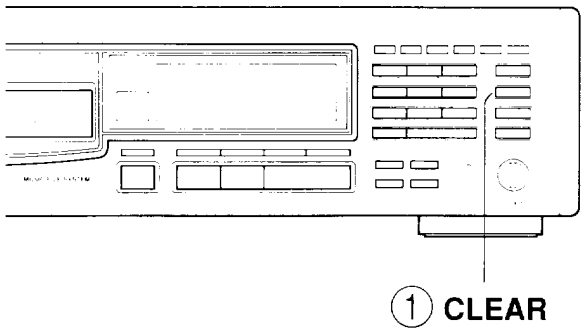
② Press the DISC button.
- A "d –" will flash in the TRACK Number display.

③ Select the desired disc with the Number Buttons (1 – 6) while "d –" is flashing.
- The red bar will light above the selected disc number.
- If you have pressed the wrong disc number, press the DISC button once again.

④ Use the Number Buttons to select the desired track.
- When selecting track numbers in succession from the same disc, press the number button too. When storing other discs in memory, repeat steps ② to ④.

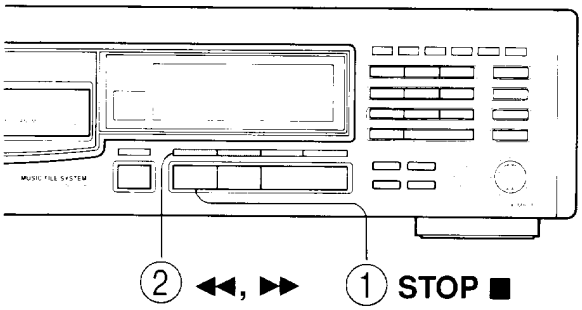
⑤ Press the PLAY ► button.

If a mistake has been made in setting up the memory



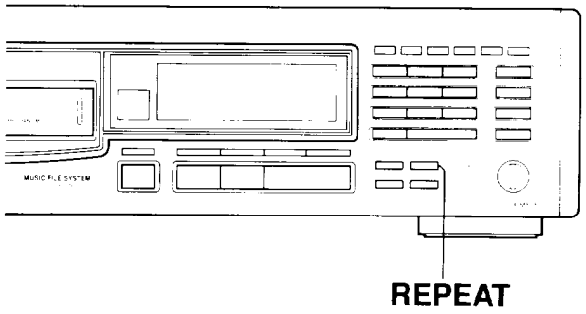
① Press the CLEAR button.
- The last track in memory will be cancelled.
- During memory play, the current track being played and tracks previously programmed cannot be cancelled.
- If you want to set up the memory, please select the desired tracks using the number buttons.
- To erase the entire contents stored in memory:
  Press the MEMORY button. The MEMORY indicator goes out and the entire contents of memory is erased. During memory play, however, normal play takes place, playing the current through the last tracks.
- If you remove the magazine from the unit by pressing the EJECT ▲ button, the memory will be erased.

To check the contents of the memory



① During memory play, press the STOP ■ button so that play comes to a stop.
② Press the ◀◀ or ▶▶ button.
- Pressing ▶▶ will allow you to check starting with the lowest numbered track. Pressing ◀◀ will allow you to check in the opposite order.

To listen to discs over and over

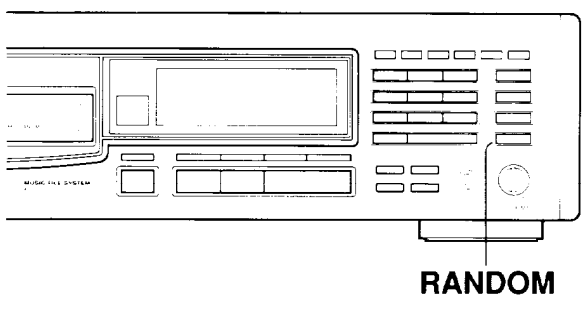


① Press the REPEAT button. (You can press this button before playing begins or during playing.)
- If this is pressed once while you are using a 6-compact disc magazine, the REPEAT indicator lights, and all discs inserted in the magazine are played repeatedly. (Full Repeat).
- During memory play, when the player reaches the end of the sequence of tracks programmed into memory, it repeats that sequence.
- In random play, the contents of a disc are rearranged after the last track is played, and then play resumes. In the case of memory random play, all the tracks programmed into memory are rearranged, and then playing resumes.
- Pressing this button twice causes the REPEAT 1 indicator to light and the disc currently playing is played repeatedly. (Disc repeat). To listen to another disc, choose the desired disc with the DISC Number buttons (1 – 6). REPEAT 1 cannot be used when two or more discs have been stored in memory. To cancel repeat play, press this button again .

NOTES:
- When using the 1-compact disc magazine, pressing this button once will cause REPEAT 1 to come on, and the performance will be repeated. Pressing this again will turn the indicator off, and cancel the repeat mode.
- If you have programmed a sequence of tracks with the Music File function, press the REPEAT button twice. The REPEAT 1 indicator will light up and playback will start.

To playback in random order (Random Play)

Use this button when you want the contents of all discs inserted in the magazine to be rearranged for playing in random order.

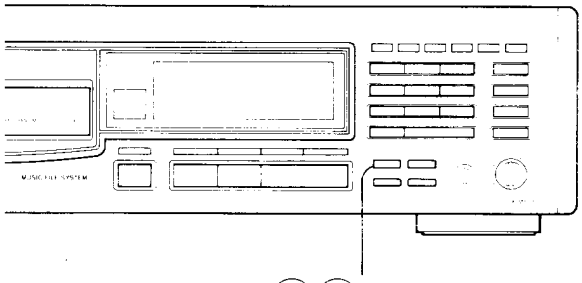


① Press the RANDOM button.
- The RANDOM indicator lights up and performance automatically begins.

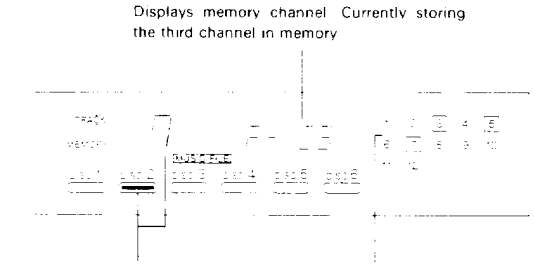
NOTES:
- A maximum of 99 tracks per disc on each of the 6 discs can be played in the random play mode.
- In the Random play Repeat mode, when all of the tracks have been played back once, the order will be changed and playing will be repeated with a different track order.
- In Random play Memory mode, the tracks stored in memory will be played back in random order.
- Pressing the STOP ■, or RANDOM button cancels the random play mode.

Using the Music File function

The Music File function allows you to store the program you have set up for a particular disc and automatically retrieve it whenever you insert the same disc again. It is possible to store programs for as many as 341 different discs in memory.



②③ **MUSIC FILE**


Displays memory channel Currently storing the third channel in memory
Shows the 7 th track of disc 2 has been stored in memory
All tracks on the disc light. Those stored in memory are enclosed by a square

① To store the program in memory, see "To program and play the memory" on page 11 of this manual.
- Only one program can be stored for each disc.

② Press the MUSIC FILE button.
- The [MUSIC FILE] indicator will flash.
- A maximum of 20 tracks can be stored on a disc using the MUSIC FILE. If you try to store more than 20 tracks in procedure ①, tracks 21, 22 etc. will not be stored.
- When you wish to check the file contents for a disc refer to "To check the contents of the memory", page 12 of this manual.
- To delete the contents stored in memory, press the CLEAR button. This will delete the last track of those stored in memory. If you wish to add more tracks, use the Number Button to select the desired tracks.

③ When you have finished selecting the tracks to be stored in memory, press the MUSIC FILE button.
- The [MUSIC FILE] indicator lights up and filing is completed.
- To change the contents of the Music File, press the MEMORY button twice to enter memory mode. The MEMORY indicator will light up. Then, use the Number Button to select the desired tracks. If incorrect tracks are selected, press the CLEAR button to delete them. Finally, press the MUSIC FILE button twice. If the MUSIC FILE button is not pressed and the disc is removed, the contents of the Music File will not be changed.

NOTES:

- It is useful to make a note of the filing order or the disc titles.
- The discs stored in the MUSIC FILE will definitely be in the memory the next time they are to be used. For further information refer to the section on page 12 entitled "To check the contents of the memory".
- To play back a track other than a track in the MUSIC FILE, press the MEMORY button. The MEMORY indicator will go off and the MUSIC FILE function will be cancelled. If you press the MUSIC FILE button in stop mode, the [MUSIC FILE] indicator will light up and the unit will enter the MUSIC FILE function again.
- The file contents can be preserved for about three weeks when the power is turned OFF.

To check the contents of the MUSIC FILE

When there is a magazine inserted in the unit.

① Press the DISC No. button, then select the disc.
② If the MEMORY indicator is lit, press the MEMORY button to turn it off.
③ Press the MUSIC FILE button.
- The [MUSIC FILE] indicator will light up and the contents of the disc that was filed first will be displayed.

When there is no magazine inserted

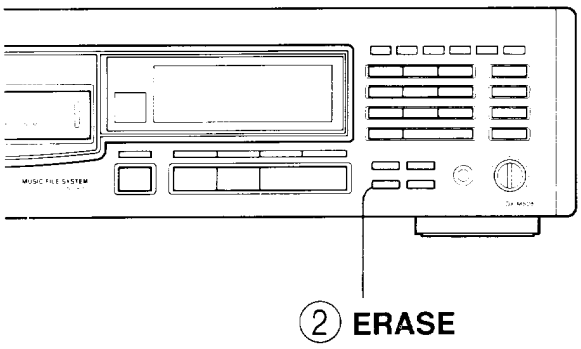
① If the magazine is in, press the EJECT ▲ button.
② Press the MUSIC FILE button.
- The contents of the disc first filed will be displayed.

③ If you wish to continue check the contents, repeat step ②.
- When the unit has finished checking, the display "0:00" will appear. If you press MUSIC FILE button again, the display will start again from the beginning.

NOTE:

When a new disc is filed, the new disc takes on the number of the disc deleted the longest time ago. Therefore, the order of the filed disc and the order of the contents do not correspond to each other.

Erasing the contents of the MUSIC FILE



When there is a magazine inserted in the unit.

① If the MUSIC FILE indicator is not lit, press the MUSIC FILE button. The MUSIC FILE indicator will light up.

② Press the ERASE button.

- The MUSIC FILE indicator will light up and the file will be erased.

When there is no magazine inserted

① Display the contents of the files you wish to erase from the section above entitled "To check the contents of the MUSIC FILE".

- The contents of the file will be displayed.

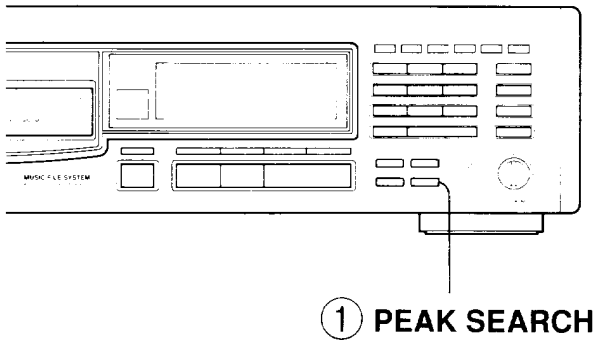
② Press the ERASE button.

- The MUSIC FILE display will disappear. The track number display and the time display will return to "0:00".

NOTE:

Turning ON the power while pressing down the MUSIC FILE button and the ERASE button at the same time will erase the entire contents of the MUSIC FILE.

This function searches for the peak volume on the disc. (PEAK SEARCH)



To stop playback press the STOP ■ button. To cancel programmed memory playback, press the MEMORY button.

① Press one of the DISC No. buttons (1 – 6) to select the desired disc.

② Press the PEAK SEARCH button.

- The player checks the disc for the peak level. The "PS" (PEAK SEARCH) indicator will flash in the TRACK Number display section during this operation.
- The REPEAT indicator will light up and the part of the track with the highest volume on the disc will be played repeatedly for 5 seconds.
- Refer to this level when recording a cassette tape.

NOTE:

Peak search function

This function reads the levels in the whole disc from the beginning to the end at fixed intervals. It then sets the highest level found as a peak level. The peak found by this function may therefore differ from the true peak. In addition, if the peak is read many times, the indicated peak value may change. However, these differences are extremely small, so that no problems should be caused when adjusting the recording level.

Troubleshooting guide

Problem	Cause	Remedy
Power switch is pressed but power does not come on.	• Power cord plug is not properly connected to AC outlet.	• Insert plug firmly.
Disc loaded but playing does not begin.	• Disc is loaded upside-down. • Disc is dirty. • Dew on pickup.	• Load disc with the label side facing downward. • Clean the disc. • Place unit in warm place for about one hour.
No sound.	• Incomplete connections. • Improper input selector switch setting on amplifier.	• Insert all plugs firmly in jacks. • Set switch to proper position.
Skipping.	• Disc is dirty. • Disc is scratched. • Unit has been exposed to shock.	• Clean the disc. • Use another disc. • Place the unit in a more stable location.
Search time (when moving to a specific track) is extremely long.	• Disc is dirty. • Disc is scratched.	• Clean the disc. • Use another disc.
Track numbers cannot be stored in memory.	• No disc is in the tray. • A track number not on the disc is being used.	• Load a disc. • Use only track numbers on the disc.

Specifications

Model DX-M505 **Compact Disc Player with optical pickup**

Signal readout system:	Optical non-contact
Reading rotation:	About 500-200 r.p.m. (constant linear velocity)
Linear velocity:	1.2-1.4 m/s
Error correction system:	Cross interleave read-solomon code
Decoded bits:	8 bits linear
Digital filter:	352.8 kHz (8 times oversampling)
Number of channels:	2 (stereo)
Frequency response:	5 Hz-20 kHz
Total harmonic distortion:	0.004% (at 1 kHz)
Dynamic range:	98 dB
Signal to noise ratio:	100 dB
Channel separation:	92 dB (at 1 kHz)
Wow and Flutter:	Below threshold of measurability
Output level:	2 volts r.m.s.
Power consumption:	13 watts
Power supply rating:	USA & Canadian Models: AC 120V, 60Hz Worldwide Model: AC 120V, 220V switchable, 50/60Hz
Dimensions (W × H × D):	455 × 120 × 306 mm 17-15/16" × 4-3/4" × 12-1/16"
Weight:	5.7 kg, 12.6 lbs.

ONKYO CORPORATION

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